AMENDMENTS TO THE CLAIMS

Please cancel claim 12 and amend claims 1-11 and 13-20 as follows. Following is a complete listing of the pending claims.

- 1. (Currently Amended) A coupling device for a shaft, comprising:
- a coupling disk associated with coupled to an out-extending shaft;
- a disk connected with coupled to an external force member;
- a first concave-convex assembly which is press-engaged with said-the disk and has a first helicoid engaging surface;
- a second concave-convex assembly which is engaged with said-the coupling disk and has a second helicoid engaging surface engaged with the first helicoid engaging surface; and
- a force generating source member provided between said-the_coupling disk and said-the disk, characterized in thatwherein:
 - said—the first and second concave-convex assemblies are eenfigured positioned to be a-pressed against and engaged with each other, and wherein at least one of the first and second concave-convex assemblies is movable relative to the other to effect a engagement arrangement in which-rotational angular displacement and an axial displacement relative to each the other-is-operable;
 - said-the first concave-convex assembly and said-the disk are configured positioned to be an axial press engagement arrangement in which pressed against and engaged with each other, with at least one of the first concave-convex assembly and the disk being movable relative to the other to effect a rotational sliding angular displacement between said-the first concave-convex assembly and said-the disk-relative-to each other is operable:

- an external force association member is provided—positioned between said the first concave-convex assembly and an external force member, and said-the external force association member and said-the first concave-convex assembly are configured-positioned to be pressed against and engaged with each other in a radial press engagement arrangement in which an-direction, and wherein at least one of the external force association member and the first concave-convex assembly is movable relative to the other to effect an axial sliding displacement between said-the external force association member and said-the first concave-convex assembly-relative to each other is-operable; and
- said-concave-convex-assembly-is-mounted-on-said-coupling-disk, and-two
 ends-of-said-force-generating-source-member-are-connected-with-said
 coupling-disk-and-said-disk;
- upon action of said-the force generating source member, said-the disk is asseciated-coupled with said-the out-extending shaft through said-via the coupling disk so that said-the external force member and said-the out-extending shaft are asseciated coupled.
- (Currently Amended) The coupling device for a shaft-according to of claim 1, further comprising:
 - a friction block provided between said-the coupling disk and said-the disk; and a retaining member which is coupled with said friction block, wherein:
 - friction surfaces respectively extending from said-the coupling disk and said-the disk $\underline{\text{are engage-engagable}} \text{ with said-the friction block}.$
- (Currently Amended) The coupling device for a shaft according to of claim 2, wherein:
 - said_the_friction surfaces include an inner disk body and an outer friction ring, wherein:

- said-the inner disk body and said-the outer friction ring are provided therein with an outer threaded block, a compensation spring and a key pin.
- (Currently Amended) The coupling device-for-a-shaft-according to of claim
 wherein:
 - said-the first and second concave-convex assemblies are supported on a left end plate and a right end plate of said-the retaining member through bearings, respectively.
- 5. (Currently Amended) The coupling device for a shaft according to of claim 4, wherein:

said-the second concave-convex assembly is provided with an inner brake ring.

- (Currently Amended) The coupling device for a shaft-according to of claim 1,

 wherein:
 - <u>said-the</u> first and second concave-convex assemblies are provided with an insert rod and insert slot which correspond to each other so as to be locked with each other, and <u>said-the</u> insert rod is mounted inside an outer threaded sleeve of a release-ensuring frame;
 - one end of a release-ensuring spring is connected with a plug of said-the insert rod, and the other end of said-the release-ensuring spring is connected with a cap:
 - inner threads of said-the cap are connected with said-the outer threaded sleeve, and said-the insert rod passes through a hole of said-the cap so as to be connected with a centrifugal cap.

Docket No.: 425888002US

7. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:

- said-the coupling disk is assembled coupled to said-the out-extending shaft through a shaft coupling member.
- 8. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - said-the first concave-convex assembly and said-the external force association member are configured-positioned to be engaged with each other through-via an outer spline and an inner spline.
- (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:

said-the force generating source member comprises a press spring.

- 10. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - a friction member is provided between said-the first concave-convex assembly and said-the external force association member; and
 - said-the friction member is engages-engagable with said-the first concave-convex assembly and said-the external force association member, respectively.
- (Currently Amended) The coupling device for a shaft according to of claim
 wherein:
 - said-the friction transmission member is provided between said-the first concaveconvex assembly and said friction member; and
 - said-the friction transmission member engages with said-the first concave-convex assembly and said-the friction member respectively.

12. (Cancelled)

- 13. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - said the disk includes a release-ensuring frame projectinged from therefrom; said the first concave-convex assembly includes a cylindrical sleeve-which is fitted over thereon; and
 - a locking member (a)-is fixedly engaged with said-the release-ensuring frame and said-the cylindrical sleeve so that relative rotational movement between said the first and second concave-convex assemblies is locked.
- (Currently Amended) The coupling device for a shaft according to of claim 8, wherein:
 - <u>said-the</u> first concave-convex assembly is <u>provided with an coupled to the inner</u> spline se as to engage with an <u>outer spline provided on said and the second concave-convex assembly is coupled to the outer spline.</u>
- (Currently Amended) The coupling device for a shaft according to of claim 3, wherein:
 - said-the outer friction ring engages with a right-further friction ring through said-via the key pin, and said right friction ring is associated with said friction ring.
- 16. (Currently Amended) The coupling device for a shaft according to of claim 1, wherein:
 - a pull rod is mounted on said-the coupling disk and passes through a circular hole of said-the disk so as to be associated-with-said-coupled to the disk.

Docket No.: 425888002US

- 17. (Currently Amended) The coupling device for a shaft according to of claim 9, wherein:
 - a pull rod is mounted on said-the coupling disk and passes through a circular hole of said-the disk so as to be asseciated with said-coupled to the disk.
- 18. (Currently Amended) The coupling device for a shaft according to of claim 17. wherein:
 - said the press spring is fitted over said the pull rod, wherein:
 - one end of said-the press spring is pressed against and mounted on said-the disk, and the other end of said-the press spring is mounted on said-the pull rod.
- 19. (Currently Amended) The coupling device for a shaft according to of claim 2, wherein:
 - <u>said_the_retaining_member_is_mounted_on_a_relatively_movable_ebject_so_as_to_achieve_a_coupling_clutch_function.</u>
- 20. (Currently Amended) The coupling device for a shaft according to of claim 2, wherein:
 - <u>said-the</u> retaining member is mounted on a relatively-static object-so as to achieve a coupling brake function.